

# D H 326C: COMMUNITY DENTAL HEALTH III

## Foothill College Course Outline of Record

Heading	Value
<b>Effective Term:</b>	Summer 2021
<b>Units:</b>	2
<b>Hours:</b>	2 lecture, 1 laboratory per week (36 total per quarter)
<b>Advisory:</b>	Not open to students with credit in D H 58C.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade Only
<b>Repeatability:</b>	Not Repeatable

## Student Learning Outcomes

- Evaluate at least two alternative practice opportunities for dental hygienists and explain their potential impact on oral health disparities in a written response, assessed using a standardized rubric with clearly defined criteria for critical analysis, relevance, and equity. A score of 75% or higher will be considered passing.
- Prepare a scientific poster or PowerPoint presentation on a community dental health topic and deliver a 5-10 minute presentation to an audience of peers. The presentation will be evaluated based on clarity, accuracy of information, visual appeal, and presentation skills using a standardized rubric. A score of 75% or higher will be considered passing.

## Description

Continuation of D H 326B. Course includes four weeks of outside field work to assess and analyze a target group, design lesson plans/ program activities and present to target group, and evaluation of program outcomes. Career options for registered dental hygienists and scientific communication formats will also be discussed. Intended for students in the Dental Hygiene Baccalaureate Degree Program; enrollment is limited to students accepted in the program.

## Course Objectives

The student will be able to:

- Implement a community dental health program.
- Discuss career options for the registered dental hygienist.
- Communicate scientific information to peers and colleagues.
- Understand and apply the principles and law and ethics to the practice of dental public health.

## Course Content

- Program implementation (Lec)
  - Assessment of target group
    - Arrange assessment date with target group
    - Elements of informed consent and parental permission for minors
    - Deliver assessment tool and collect data
  - Analysis of assessment data
    - Reliability

- Validity
- Statistical tests for analysis
  - Probability
  - t-test
  - Chi-square
- Prioritizing needs of target group
  - Identification of most important needs
- Lesson plans and program activities
  - Develop lesson plans and activities based on needs of target group
    - PowerPoint format
    - Educational handouts and brochures
    - Activities including psychomotor and cognitive
    - Materials needed for presentation
  - Presentation of information to target group
  - Evaluation methods and program outcomes
- Career options (Lec)
  - Advanced clinical practice
    - Alternative settings/tele-dentistry
    - Workforce models
      - Advanced Dental Therapist
      - Advanced Dental Hygiene Practitioner
      - Community Dental Health Coordinator
      - Registered Dental Hygienist in Alternate Practice
  - Dental hygiene educator
    - Required degrees to teach in a dental hygiene program
    - Teaching methodology
  - Researcher
    - Dental hygiene research
    - Role of the ADHA
  - Business/corporate careers
    - Product development
    - Marketing
    - Clinical educator for a company
  - Public health
    - County
    - State
    - Federal
- Scientific communication (Lec)
  - Overview of scientific communication formats
    - Lecture
    - Round table discussion
    - Table clinic
    - Scientific poster
  - Presentation of community dental health projects
    - Development of a scientific poster according to guidelines
    - Present outcomes of community dental health program to peers
- Law and ethics (Lec)
  - Maintain a high degree of professional ethics and conduct interactions with the community, patients, faculty, and fellow classmates
  - Provide informed consent for participants in oral health programs
  - Apply ethical research practices when assessing and collecting data from participants in oral health programs
  - Maintain the need for consistently performing all phases of the dental hygiene process to acceptable standards of care
  - Exhibit sensitivity to individual's emotions, needs, rights and comforts with emphasis on the influence of cultural, psychosocial and other factors

## Lab Content

Students will fulfill lab hours by implementing original dental health program with designated target group. Students will also engage in

various community outreach projects including educating underserved populations (including developmentally delayed teens, children enrolled in migrant education, senior citizens, and children in lower socioeconomic areas) on oral health and related topics and participating in school-based dental screenings.

## Special Facilities and/or Equipment

- A. Classroom with multimedia equipment.
- B. Materials to create visual aids, interactive games and worksheets to provide oral health education in the community.
- C. Oral health supplies and aids to distribute at community outreach events.

## Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Written report on community dental health project: method of evaluation, statistical analysis of program data, conclusions of program outcomes  
Presentation of completed community dental health project

## Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture
- Discussion
- Field work
- Oral presentation
- Community service projects

## Representative Text(s) and Other Materials

Nathe, Christine. Dental Public Health & Research, 4th ed.. 2017.

Brennan, Christian. Community Dental Health Course Manual. 2020.

## Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- A. Reading assignment: 16 page scientific journal article on mid-level providers in the delivery of oral health care.
- B. Writing assignment: 3-4 page paper discussing community dental health program outcomes including assessment data analysis and method of evaluation.
- C. Outside of class assignment: develop a scientific poster according to guidelines of community dental health program and outcomes and present to peers.
- D. Community service assignment: group participation in community outreach programs (providing oral health education to underserved populations) and school-based dental screenings.

## Discipline(s)

Dental Technology